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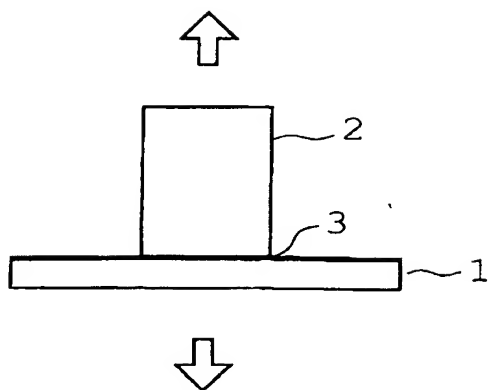


FIG. A

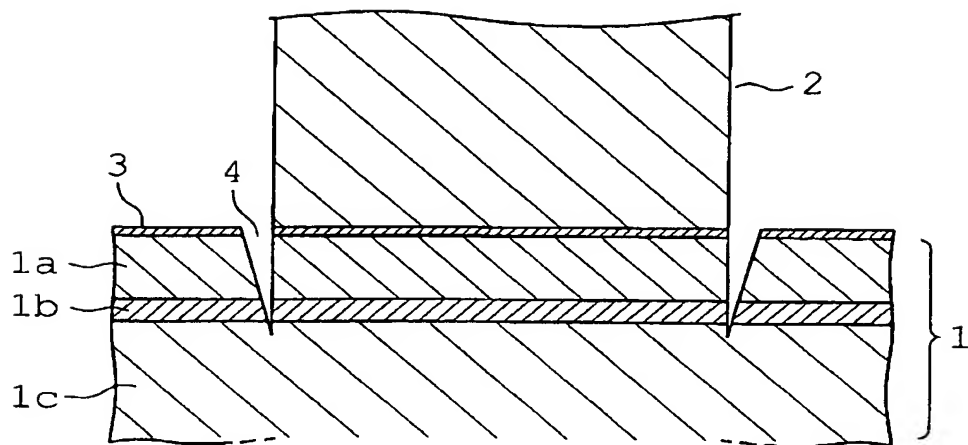


FIG. B



COMPOSITION OF BEARING (VOLUME %)														
	BEARING ALLOY	BONDING LAYER					RESIN SURFACE LAYER							
		BASE RESIN		SOLID LUBRICANT		Gr	BASE RESIN		SOLID LUBRICANT		Gr	PTFE	Cu	Si <sub>3</sub> N <sub>4</sub>
		PAI	PI	MoS <sub>2</sub>	Gr		PTFF	PAI	EP	PBI				
EXAMPLE	7	Cu	100							60	40			
	8	Cu	100							30	70			
COMPARATIVE EXAMPLE	15	Cu					60				40			
	16	Cu					30				70			
	17	Cu					57				40		3	
	18	Cu					57					40	3	
	19	Cu					54				40		3	3
	20	Cu					39				40	20	1	
cf.	1	Cu		100						60	40			
	2	Cu		100						30	70			

FIG.C



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		RESULTS OF TEST					
		COEFFICIENT OF FRICTION	AMOUNT OF WEAR ( $\mu\text{m}$ )	SEIZURE LOAD (MPa)	VOLUMETRIC DECREASE ( $\text{mm}^3$ )	BONDING STRENGTH (MPa)	APPEARANCE OF BROKEN-OUT SECTION
EXAMPLE	7	0.05	8	27	2.74	16.4	RESIN BROKEN OUT
	8	0.03	9	27	4.26	10.5	
COMPARATIVE EXAMPLE	15	0.05	17	21	3.56	5.0	BOUNDARY BETWEEN ALLOY AND RESIN BROKEN OUT
	16	0.03	20	24	6.00	2.0	
	17	0.05	6	24	4.21	4.8	
	18	0.05	6	24	4.76	3.2	
	19	0.04	2	24	5.90	4.5	
	20	0.04	7	27	5.01	1.8	
cf.	1	-	-	-	-	13.9	RESIN BROKEN OUT
	2	-	-	-	-	8.0	

FIG.D